

1. Write a program to create an HTML page containing two text boxes, and one button called "Create text box", on clicking the "Create text box" button a new text box should get added between the previously created text boxes.

Sol: Following should be done

1. creating two text boxes using `<input type>`
2. creating a new node using `var newNode = document.createElement("p");`
3. inserting the node between already created text boxes using `currentNode.parentNode.insertBefore(newNode, currentNode);,`
4. creating a button and adding an event to it

2. List any 5 input types present in HTML5, give the syntax for each

Sol :

Input types

email : email address

number: spinbox

range: slider

url: web addresses

color: colour pickers

search: search boxes

date: date

month: month

time:time

week: week

datetime:combination of date and time

giving syntax for any 5 will do

3. Explain the following event object properties

- ctrlKey
- cancelBubble
- keyCode
- shiftKey
- type

Solution:

- ctrlKey : Boolean flag to indicate if ctrl key was pressed when the event was triggered
- cancelBubble: Flag to set to false if bubbling has to be cancelled
- keyCode: the code for the key that was pressed
- shiftKey : Boolean flag to indicate if shift key was pressed when the event was triggered
- type: the event name without the on prefix ex: "click"

4. Write a program to take the required color using prompt and change the background color of the page to the color entered in the prompt.

Solution:

```
var col = prompt("Enter Color:","yellow");  
document.body.style.backgroundColor=col;
```

5. What are semantic tags? List and write a line on each.

Solution:

HTML5 introduced a consistent list of semantic elements to help search engines and developers. Creating semantic elements in HTML5 is to give meaning to its traditional design layout. They are:

- Header
- Nav
- Footer

- Section
- Article
- Aside